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NY 11738 (US). **CLEMENT, Paul, M., J.** [BE/BE];
Egenhovenweg 53 bus 61, B-3001 Heverlee (BE).

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(74) Agent: **JACKSON, David, A.**; Klauber & Jackson, 411
Hackensack Avenue, Hackensack, NJ 07601 (US).

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(71) Applicants (*for all designated States except US*): **UNI-
VERSITY OF MEDICINE AND DENTISTRY OF
NEW JERSEY** [US/US]; 335 George Street, P.O. Box
2688, New Brunswick, NJ 08903 (US). **NIH/NIDCR**
[US/US]; Bethesda, MD 20892-4340 (US). **THE ROCK-
EFELLER UNIVERSITY** [US/US]; 1230 York Avenue,
New York, NY 10021 (US).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **HANAUSKE-
ABEL, Hartmut, M.** [DE/US]; 1055 River Road, Edge-
water, NJ 07020 (US). **PARK, Myung-Hee** [US/US];
11100 Smokey Quartz Lane, Potomac, MD 20854 (US).
WOLFF, Edith, C. [US/US]; 7917 Deepwell Drive,
Bethesda, MD 20817 (US). **SHELDON-HELLER, De-
bra** [US/US]; 310 Knickerbocker Road, Closter, NJ 07624
(US). **CRACCILOLO, Bernadette, M.** [US/US]; 1055
River Road, Edgewater, NJ 07020 (US). **POPOWICZ,**
Anthony [US/US]; 53 Crestwood Lane, Farmingville,

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ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS OF DIAGNOSING AND TREATING HYPERPROLIFERATIVE DISORDERS

(57) Abstract: The invention relates to compositions and methods for diagnosing and treating hyperproliferative disorders using ligands which specifically recognize the hypusine and/or folate binding region of mature eukaryotic translation initiation factor 5A (hypusine-containing eIF-5A). The invention further relates to methods of identifying molecules which displace immunoreagents binding to mature eIF-5A. Such agents are useful for treating hyperproliferative disorders.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28742

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/02; C12Q 1/70, 1/68; A61K 48/00; G01N 33/536, 33/543

US CL : 536/23.1; 436/536, 518; 435/6, 7.1; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 436/536, 518; 435/6, 7.1; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	XU et al., Hypusine is required for a sequence-specific interaction of eukaryotic initiation factor 5A with postsystematic evolution of ligands by exponential enrichment RNA, J. Biol Chem, 26 January 2001, vol. 276, issue 4, pages 2555-61, especially abstract, page 2556, right column, Fig. 7 at page 2559	1 - 3 4 - 43



Further documents are listed in the continuation of Box C.



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P.O. Box 1450
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Authorized officer

Misook Yu, Ph.D.

Telephone No. (571) 272-1600

Facsimile No. (703) 305-3230

INTERNATIONAL SEARCH REPORT

PCT/US03/28742

Continuation of B. FIELDS SEARCHED Item 3:

Dialog (155), West (PGPB, USPT, USOC, EPAB, JPAB, DWPI)

Search Terms: elf-5A, ligand, hypusine, cancer diagnosis, cancer treatment

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